

1 次の方程式を解け。

(1) $2x^2 - 7x + 1 = 0$

(2) $x^2 + 3x - 1 = 0$

(3) $2x^2 - 5x - 4 = 0$

(4) $3x^2 + 9x + 2 = 0$

2 次の方程式を解け。

(1) $x^2 + 6x - 3 = 0$

(2) $x^2 - 4x - 6 = 0$

(3) $4x^2 + 10x + 5 = 0$

(4) $2x^2 - x - 6 = 0$

(5) $3x^2 - x - 2 = 0$

(6) $4x^2 - 5x + 1 = 0$



【解答】

1

$$(1) x = \frac{7 \pm \sqrt{41}}{4}$$

$$(2) x = \frac{-3 \pm \sqrt{13}}{2}$$

$$(3) x = \frac{5 \pm \sqrt{57}}{4}$$

$$(4) x = \frac{-9 \pm \sqrt{57}}{6}$$

2

$$(1) x = -3 \pm 2\sqrt{3}$$

$$(2) x = 2 \pm \sqrt{10}$$

$$(3) x = \frac{-5 \pm \sqrt{5}}{4}$$

$$(4) x = -\frac{3}{2}, 2$$

$$(5) x = -\frac{2}{3}, 1$$

$$(6) x = \frac{1}{4}, 1$$